

Neonatal Cardioversion Guideline

By Priscilla Joe, 4/18/16

INDICATIONS:

- Atrial flutter
- Atrial fibrillation
- Supraventricular tachycardia
- Ventricular tachycardia with a pulse

PREPARATION:

- Confirm rhythm with cardiology
- Correct hypoxemia, hypoglycemia, hypothermia, and acidosis if possible
- Check that bedside monitor has recording paper. Provide continuous EKG monitoring and frequent blood pressure checks.
- Record on the central monitoring system
- Empty patient's stomach
- Provide sedation with lorazepam if possible

STEPS:

- Bring the defibrillator cart to the bedside
- Place the Mini Pediatric Pads onto the patient
- Place labeled pad on the FRONT of the body, just left side of the sternum (see package illustration)
- Place labeled pad on the left upper BACK (see package illustration)
- If unable to position second pad on back, position the pads over the apex/sternum as labeled (see package illustration)
- Connect electrodes to the Zoll Defibrillator
- Turn **POWER ON**

- Press the **MANUAL MODE** soft key (located at the left lower corner of screen)
- Press the **SYNC ON/Off** soft key (located at the right lower corner of screen). Use in SYNC mode for synchronized cardioversion
- Verify that you see the word “SYNC” before the joules setting
- Note downward arrow markers above the R wave
- Press **ENERGY SELECT**. Begin with 0.5-1 joule/kg
- Press **CHARGE**
- Ensure that the environment is safe by saying “**CLEAR**”. Note that all individuals are clear from the bed
- Press and hold the illuminated **SHOCK** button until electrical discharge occurs
- Monitor heart rhythm for conversion to normal sinus rhythm
- The device will automatically revert back to the defibrillation mode
- Repeat the above steps if necessary